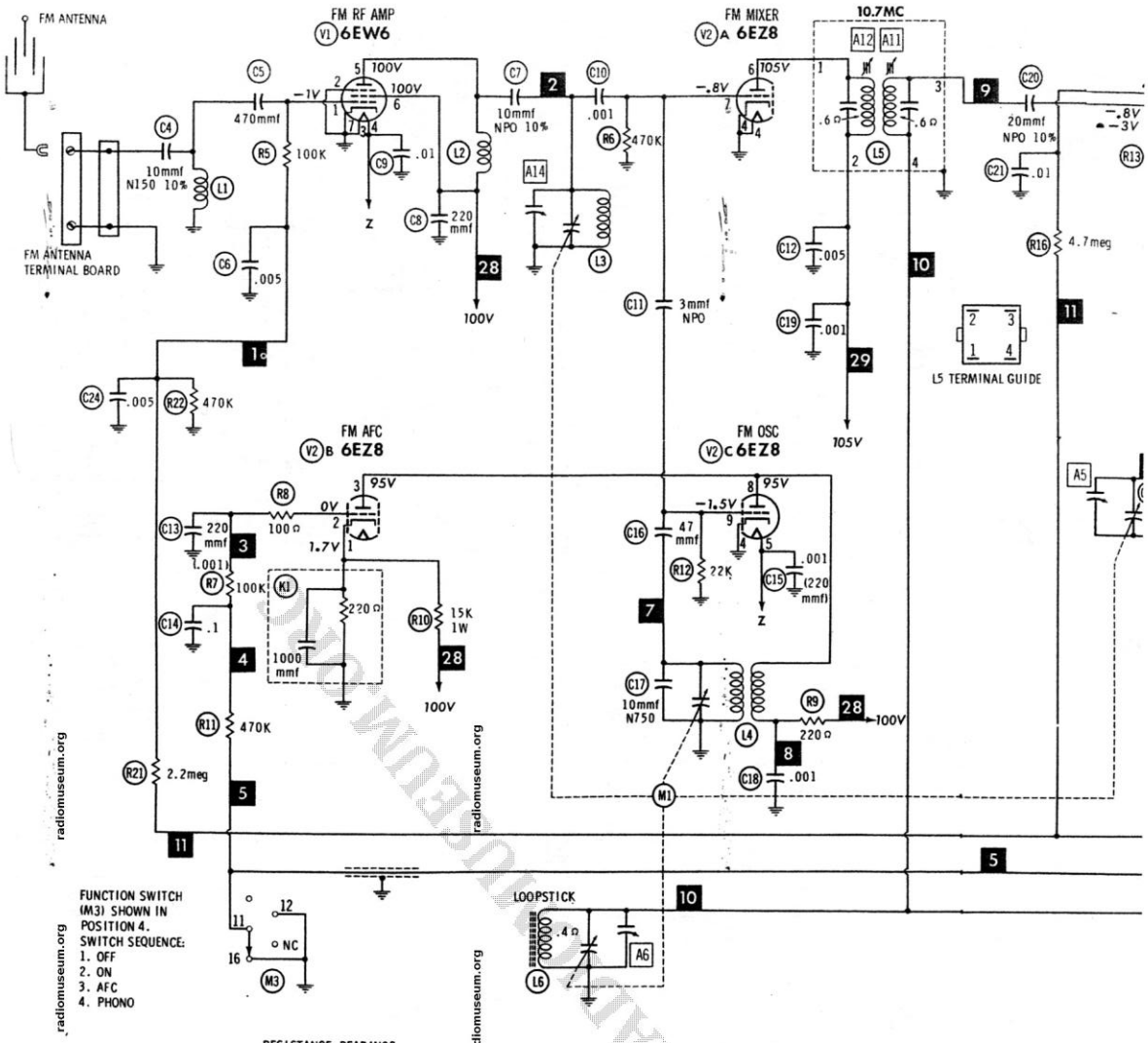
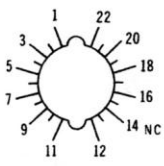


RESISTANCE READINGS

ITEM	TUBE	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Pin 9
V1	6EW6	570K	0Ω	FIL	FIL	†1900Ω	†1900Ω	0Ω		
V2	6EZ8	220Ω	570K ■1.9meg	†2100Ω	FIL	FIL	†1700Ω	470K	†2100Ω	22K
V3	6AU6A	2.2meg	4.8meg	FIL	FIL	†3100Ω	†3100Ω	0Ω ▬1.5Ω		
V4	6BA6	100K ▬1.1meg	0Ω	FIL	FIL	†2100Ω	†2100Ω	0Ω		
V5	6AU6A	110K	0Ω	FIL	FIL	†9000Ω 15K	†9000Ω 15K	0Ω		
V6	12AT7	†27K	1meg	1000Ω	FIL	FIL	†2700Ω	160Ω	820Ω	FIL
V7	12AX7	†100K	470K	1200Ω	FIL	FIL	†100K	470K	1200Ω	FIL
V8	12AX7	†220K	400K	390Ω	FIL	FIL	†220K	400K	390Ω	FIL
V9	6AQ5A	470K	120Ω	FIL	FIL	†360Ω	†1000Ω	NC		
V10	6AQ5A	470K	120Ω	FIL	FIL	†370Ω	†1000Ω	NC		

ALL MEASUREMENTS TAKEN IN "FM" OR "STEREO" POSITION UNLESS OTHERWISE DESIGNATED.
▬ MEASURED IN "AM" POSITION.
■ MEASURED IN "AFC" POSITION.
† MEASURED FROM OUTPUT OF X1.
NC NO CONNECTION



FUNCTION SWITCH (M3) TERMINAL GUIDE

❶ SEE PARTS LIST FOR ALTERNATE VALUE OR APPLICATION

NUMBERS ASSIGNED TO COILS, SWITCHES, PLUGS, SOCKETS, AND TRANSFORMERS ARE TO FACILITATE CIRCUIT TRACING OR COMPONENT REPLACEMENT AND MAY NOT NECESSARILY BE FOUND ON THE UNIT.

1. DC voltage measurements taken with vacuum tube voltmeter; AC voltages measured with 1000 ohm per volt voltmeter.
2. Socket connections are shown as bottom views.
3. Measured values are from socket pin to common ground.
4. Line voltage maintained at 117 volts for voltage readings.
5. Nominal tolerance of component values makes possible a variation of ±15% in voltage and resistance readings.

A PHOTOFACT STANDARD NOTATION SCHEMATIC with CIRCUITRACE®

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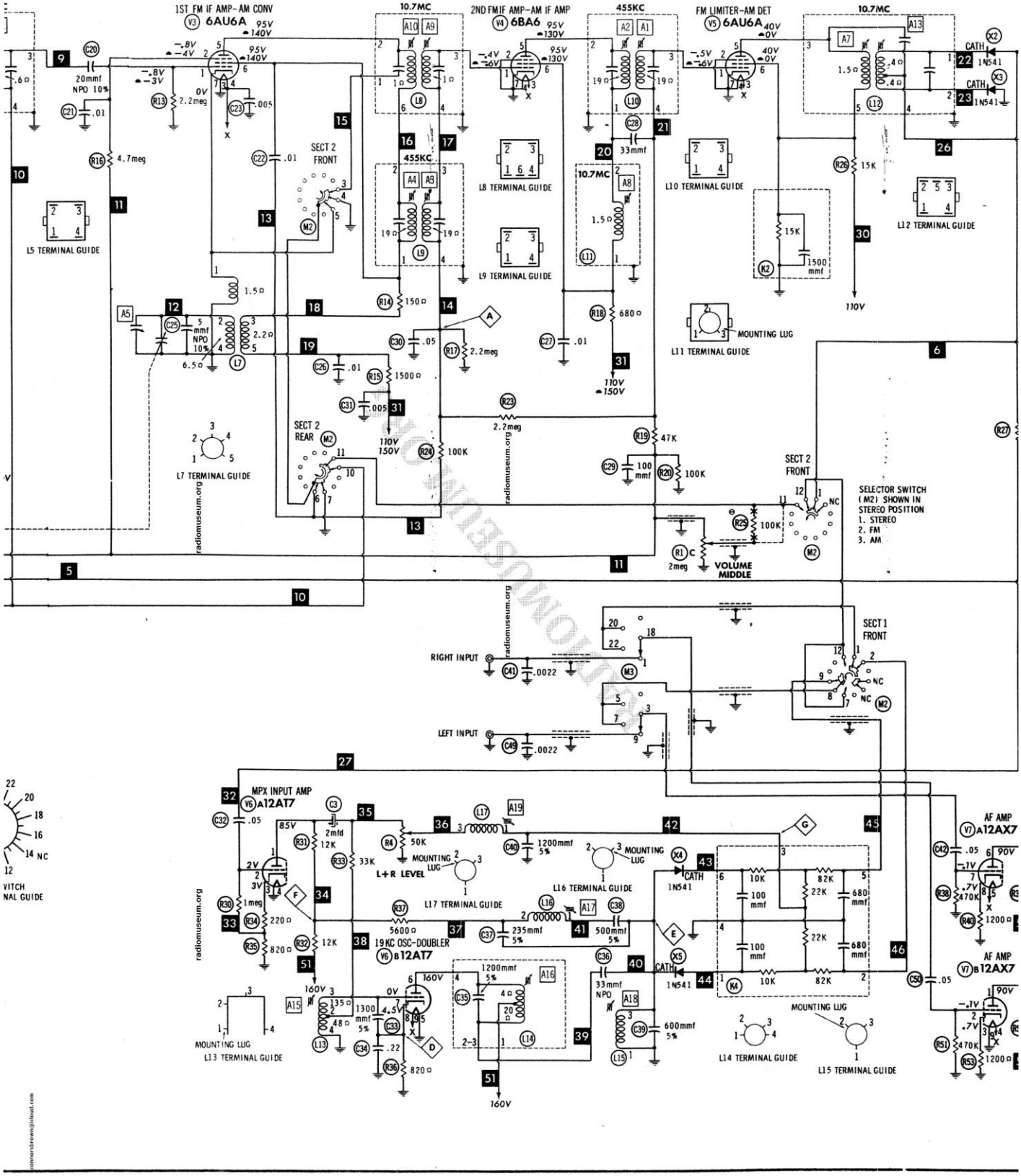
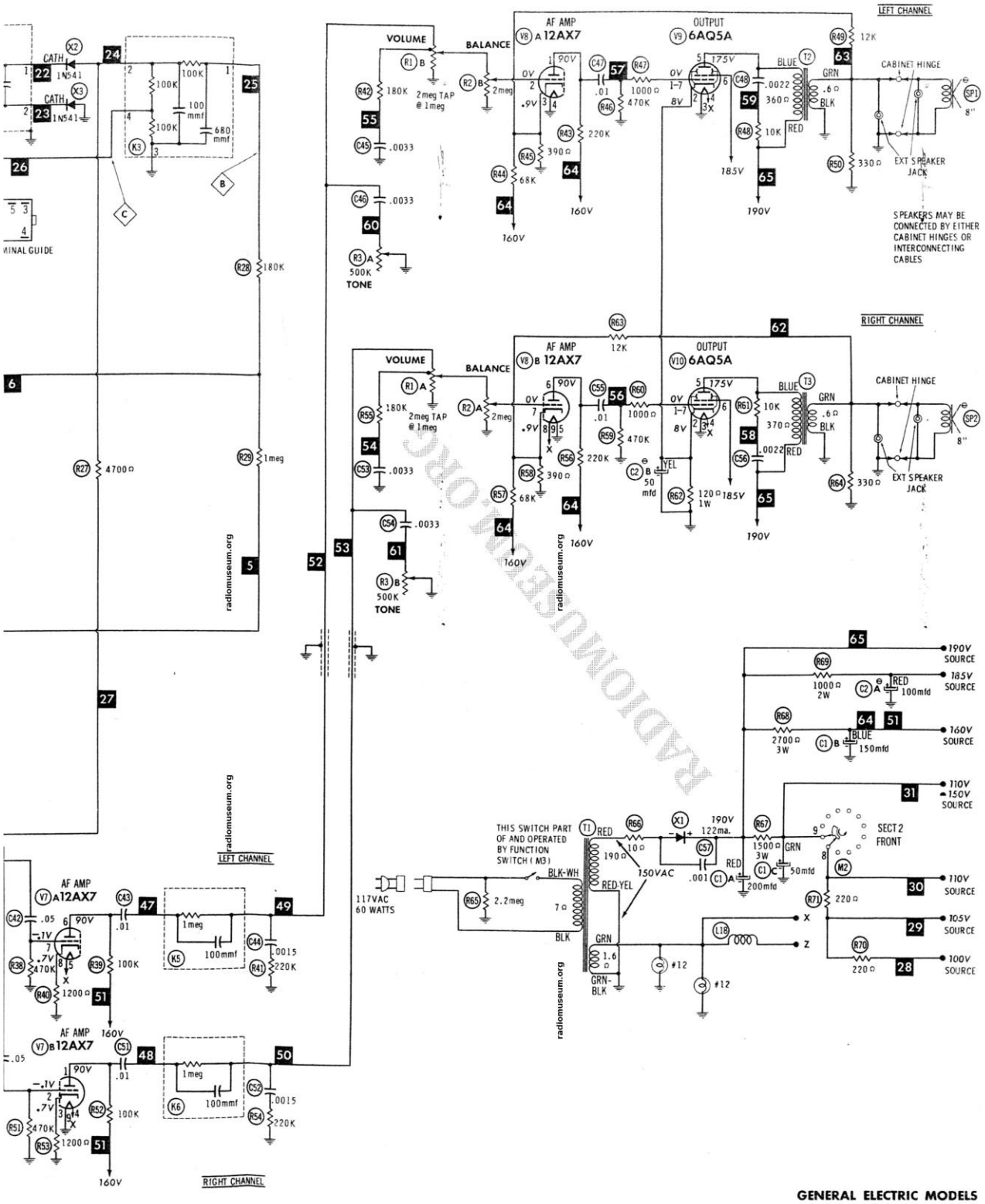

1ST FM IF AMP-AM CONV
V3 6AU6A
2ND FM IF AMP-AM IF AMP
V4 6BA6
FM LIMITER-AM DET
V5 6AU6A
10.7MC
455KC
L5 TERMINAL GUIDE
L7 TERMINAL GUIDE
L8 TERMINAL GUIDE
L9 TERMINAL GUIDE
L10 TERMINAL GUIDE
L11 TERMINAL GUIDE
L12 TERMINAL GUIDE
SECT 2 FRONT
SECT 2 REAR
SECT 1 FRONT
MOUNTING LUG
VOLUME MIDDLE
SELECTOR SWITCH (M2) SHOWN IN STEREO POSITION
1. STEREO
2. FM
3. AM
RIGHT INPUT
LEFT INPUT
MPX INPUT AMP
V6 A12AT7
19KC OSC-DOUBLER
V6 B12AT7
L+R LEVEL
L13 TERMINAL GUIDE
L14 TERMINAL GUIDE
L15 TERMINAL GUIDE
L16 TERMINAL GUIDE
L17 TERMINAL GUIDE
AF AMP
V7 A12AX7
V7 B12AX7
radiomuseum.org



GENERAL ELECTRIC MODELS
T1000B/C, T1001C/D

ALIGNMENT INSTRUCTIONS

ALIGNMENT INSTRUCTIONS—READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT

Use only enough generator output to provide a usable indication.
Suggested Alignment Tools:
A1 thru A4, A7 thru A13... GENERAL CEMENT #8282, 9291
A5, A6, A14..... GENERAL CEMENT #8868, 8282
A15 thru A19..... GENERAL CEMENT #9302, 8282

AM ALIGNMENT — SELECTOR IN AM POSITION

	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR	ADJUST	REMARKS
1.	High side thru .1mfd to pin 1 (grid) of AM Conv. Low side to chassis.	455KC (Unmod.)	(AM) Tuning gang fully open.	DC probe of VTVM to point Ⓐ, common to chassis.	A1, A2, A3, A4	Adjust for maximum deflection.
2.	Fashion loop of several turns of wire and radiate signal into loop of receiver.	1600KC	1600KC	"	A5	"
3.	"	1400KC	1400KC	"	A6	"

FM IF ALIGNMENT USING AM SIGNAL & VTVM — SELECTOR IN FM POSITION

	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR	ADJUST	REMARKS
4.	High side thru .1mfd to ungrounded tube shield over FM Mixer. Low side to chassis.	10.7MC (Unmod.)	(FM) Point of non-interference.	DC probe of VTVM to point Ⓑ, common to chassis.	A7, A8, A9, A10, A11, A12	Adjust for maximum deflection.
5.	"	"	"	DC probe to point Ⓒ, common to chassis.	A13	Adjust for zero reading. A positive and negative reading will be obtained on either side of the correct setting.

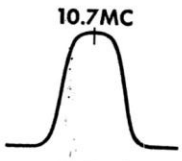


FIG. 1

FM IF ALIGNMENT USING FM SIGNAL & OSCILLOSCOPE — SELECTOR IN FM POSITION

Use frequency modulated signal with 60% modulation and 450KC sweep. Use 120v sawtooth voltage in scope for horizontal deflection.

	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR	ADJUST	REMARKS
4.	High side thru .1mfd to ungrounded tube shield over FM Mixer, low side to chassis.	10.7MC (Unmod.)	(FM) Point of non-interference.	Vert. Amp. of scope to point Ⓑ, low side to chassis.	A7, A8, A9, A10, A11, A12	Adjust for maximum gain and symmetry of response similar to Fig. 1 with marker as shown.
5.	"	"	"	Vert. amp. to point Ⓒ, low side to chassis.	A13	Adjust to place marker at center of crossover lines similar to Fig. 2. SLIGHTLY retouch A7 for maximum amplitude and straightness of crossover lines.

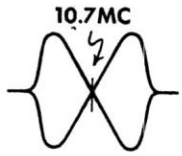


FIG. 2

FM RF ALIGNMENT — SELECTOR IN FM POSITION

	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR	ADJUST	REMARKS
6.	Across FM antenna terminals with 150Ω in each lead.	98MC (Unmod.)	(FM) 98MC	DC probe of VTVM to point Ⓑ, common to chassis.	A14	Adjust for maximum deflection.

FM MULTIPLEX ALIGNMENT USING FM STEREO GENERATOR & AUDIO OSCILLATOR

	SIGNAL GENERATOR	CONNECT SCOPE	ADJUST	REMARKS
7.	19KC to pin 2 of V6, low side to chassis.	Vert. amp. to point Ⓓ, low side to chassis.	A15	Adjust for maximum deflection. Set scope to lock in 2-cycle waveform.
8.	"	Vert. amp. to point Ⓔ, low side to chassis.	A16	Adjust for maximum deflection of 4-cycle waveform.
9.	67KC to point Ⓕ, low side to chassis.	"	A17	Adjust for MINIMUM deflection.
10.	38KC to point Ⓕ, low side to chassis.	"	A18	Adjust for maximum deflection.
11.	15KC to high side of L17, low side to chassis.	Vert. amp. to point Ⓖ, low side to chassis.	A19	"

CAUTION